Beclaration, Power Of Attorney and Petition

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WE (I) the undersigned inventor(s), hereby declare(s) that:

WL (I) tile	didersigned in	ventor(s), hereby declare(s) t	nat:			
My resider	nce, post office a	address and citizenship are as	stated below next to	o my name	÷,	
We (I) beli claimed and f	eve that we are or which a pate	(I am) the original, first, and nt is sought on the invention	l joint (sole) invento entitled	r(s) of the	subject mai	tter which is
IMPROVE	MENTS IN AT	OM OR GROUP TRANSFER	RADICAL POLYM	ERIZATIO	N .	
					·	
the specificati	on of which					
	☐ is attached	hereto.				
	was filed o	n February 4, 1998		_ as		
	Applicatio	n Serial No09/018,5	54			
	and amend	ed on		·		
	□ was filed as	PCT international applicati	on			
	Number					
				,		
	and was amended under PCT Article 19					
	on		(if applicab	le).		
We (I) he	reby state that including the cla	we (I) have reviewed and tims, as amended by any ame	d understand the condment referred to	ontents o	f the abov	ve-identified
We (I) ack application as	nowledge the d	luty to disclose information on 1.56 of Title 37 Code of F	i known to be mat Federal Regulations.	erial to th	e patentab	ility of this
application(s) designated at 1 checking the b	for patent or i least one count oox, any foreign	ign priority benefits under inventor's certificate, or § 3 ry other than the United Sta application for patent or in t of the application on which	365(a) of any PCT ates, listed below an ventor's certificate, o	Internation d have also or PCT Internation	nal applica o identifiec ternational	tion which I below, by application
Applica	tion No.	Country	Day/Month/	Year	Prior Clain	•
	_				☐ Yes	□ No
	·				☐ Yes	□ No
					☐ Yes	□ No

□ No

☐ Yes

We (I) hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below.

60/039,543	March 11, 1997
(Application Number)	(Filing Date)
60/041,620	April 2, 1997
(Application Number)	(Filing Date)

We (I) hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

Application Serial No.	Filing Date	Status (pending, patented, abandoned)

And we (I) hereby appoint: Norman F. Oblon, Registration Number 24,618; Marvin J. Spivak, Registration Number 24,913; C. Irvin McClelland, Registration Number 21,124; Gregory J. Maier, Registration Number 25,599; Arthur I. Neustadt, Registration Number 24,854; Richard D. Kelly, Registration Number 27,757; James D. Hamilton, Registration Number 28,421; Eckhard H. Kuesters, Registration Number 28,870; Robert T. Pous, Registration Number 29,099; Charles L. Gholz, Registration Number 26,395; Vincent J. Sunderdick, Registration Number 29,004; William E. Beaumont, Registration Number 30,996; Steven B. Kelber, Registration Number 30,073; Robert F. Gnuse, Registration Number 27,295; Jean-Paul Lavalleye, Registration Number 31,451; Stephen G. Baxter, Registration Number 32,884; Martin M. Zoltick, Registration Number 35,745; Robert W. Hahl, Registration Number 33,893; Richard L. Treanor, Registration Number 36,379; Steven P. Weihrouch, Registration Number 32,829; John T. Goolkasian, Registration Number 26,142; Marc R. Labgold, Registration Number 34,651; William J. Healey, Registration Number 36,160; Richard L. Chinn, Registration Number 34,305; Steven E. Lipman, Registration Number 30,011; Carl E. Schlier, Registration Number 34,426; James J. Kulbaski, Registration Number 34,648; Catherine B. Richardson, Registration Number 39,007; Richard A. Neifeld, Registration Number 35,299; J. Derek Mason, Registration Number 35,270; and Surinder Sachar 34,423; our (my) attorneys, with full powers of substitution and revocation, to prosecute this application and to transact all business in the Patent Office connected therewith; and we (I) hereby request that all correspondence regarding this application be sent to the firm of OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C., whose Post Office Address is: Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202.

We (I) declare that all statements made herein of our (my) own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Krzysztof MATYJASZEWSKI	Residence: 9 Queens Court
NAME OF FIRST SOLE INVENTOR	Pittsburgh, Pennsylvania 15238
Signature of Inventor	Citizen of: The United States of America Post Office Address:same as above
4/30/93 Date	·

Scott G. GAYNOR	Residence: 6375 Alderson Street
NAME OF SECOND JOINT INVENTOR	Pittsburgh, Pennsylvania 15217
Signature of Inventor	Citizen of: The United States of America
Signature of Inventor	Post Office Address:same as above
4/21/98 Date	
Simion COCA	Residence: 4 Bayard Road #28
NAME OF THIRD JOINT INVENTOR	Pittsburgh, Pennsylvania 15232
Limion Cras	Citizen of:Romania
Signature of Inventor	Post Office Address:same as above
4/30/98	
Date	
NAME OF FOURTH JOINT INVENTOR	Residence:
Signature of Inventor	Citizen of:
	Post Office Address:
Date	
NAME OF FIFTH JOINT INVENTOR	Residence:
	Citizen of:
Signature of Inventor	Post Office Address:
Date	

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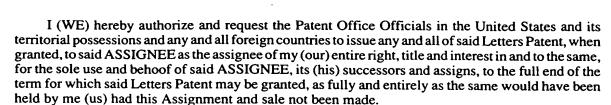
Assignment Of Application

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	WHEREAS, I (WE) RESYSTED MATYJASZEWSKI, residing at 9 Queens Court				
SERT NAMES	Pittsburgh, Pennsylvania 15238; Scott G. GAYNOR, residing at 6375				
ID RESIDENCE DRESSES OF IE INVENTORS:	Alderson Street, Pittsburgh, Pennsylvania 15217 and Simion COCA,				
	residing at 4 Bayard Road #28, Pittsburgh, Pennsylvania 15232				
	· · · · · · · · · · · · · · · · · · ·				
	, respectively,				
SERT TITLE F INVENTION:	have invented certain new and useful improvements in:IMPROVEMENTS_IN_ATOM				
	OR GROUP TRANSFER RADICAL POLYMERIZATION				
SERT DATE IN- ENTORS SIGNED ECLARATION:	for which an application for Letters Patent was executed on March 2, 1998				
	(Application No. 09/018,554 , filed February 4, 1998), and				
ISERT NAME ND ADDRESS OF DMPANY OR THER ASSIGNEE:	WHEREAS, CARNEGIE MELLON UNIVERSITY				
	(hereinafter referred to as "ASSIGNEE") having a place of business at: 4400 Fifth Avenue				
	Pittsburgh, Pennsylvania 15213				
	is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;				

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

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Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Λ

Date: 3/2/98	graf.
Date: 3/2/98 Date: 03/02/98	(Signature of Inventor) Krzysztof MATYJASZEWSKI (Signature of Inventor) Scott G. GAYNOR Juliu Coza
Date: 03/02/98	Signature of Inventor) Simion COCA
Date:	(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

ATTORNEYS AT LAW FOURTH FLOOR 1755 JEFFERSON DAVIS HIGHWAY ARLINGTON, VIRGINIA 22202

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